

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"20040016938"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 08:04
S2	2	("6600175").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/19 16:18
S3	1	"5660461".PN.	USPAT; USOCR	OR	ON	2005/01/25 15:49
S4	1	"5583349".PN.	USPAT; USOCR	OR	ON	2005/01/25 15:50
S5	1	"5405709".PN.	USPAT; USOCR	OR	ON	2005/01/25 15:50
S6	1	"5208462".PN.	USPAT; USOCR	OR	ON	2005/01/25 15:50
S7	1	"5126214".PN.	USPAT; USOCR	OR	ON	2005/01/25 15:50
S8	1	"4992704".PN.	USPAT; USOCR	OR	ON	2005/01/25 15:50
S9	1	"3593055".PN.	USPAT; USOCR	OR	ON	2005/01/25 15:50
S10	1	"3763405".PN.	USPAT; USOCR	OR	ON	2005/01/25 15:50
S11	2	("5369289").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/25 16:11
S13	2	@ad<="19960326" and 'blue' with 'LED' and 'luminophoric medium'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 16:31
S15	1	@ad<="19960326" and 'blue' with 'LED' same 'housing' same 'fluorescer'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 16:14
S16	1	@ad<="19960326" and 'blue' with 'LED' same 'housing' same 'phosphor'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 16:14

## EAST Search History

S17	1	@ad<="19960326" and 'blue' with 'LED' same 'housing' and 'phosphor'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 16:14
S18	58	@ad<="19960326" and 'blue' with 'LED' and 'phosphor'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 16:16
S19	2	@ad<="19960326" and 'blue' with 'LED' and 'emitting white light'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 10:17
S20	14	@ad<="19960326" and 'blue' with 'LED' same 'converting'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 16:17
S21	4525	@ad<="19960326" and (257/100).ccls. or (257/88).ccls. or (257/98).ccls. or (257/99).ccls. or (257/E33.059).ccls. or (257/E33.061).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 12:00
S22	3993	@ad<="19960326" and (257/81-82).ccls. or (257/89).ccls. or (257/94-95).ccls. or (257/98).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 10:12
S23	990	@ad<="19960326" and (257/98).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 10:12
S24	287	@ad<="19960326" and 'emitting white light'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 10:17
S25	20	@ad<="19960326" and 'LED' and 'encapsulation' and 'white light'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 10:18
S26	398	@ad<="19960326" and 'LED' and 'housing' and 'white light'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 10:18
S27	53	@ad<="19960326" and 'LED' with 'housing' and 'white light'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 10:34

## EAST Search History

S28	9	@ad<="19960326" and 'Light emitting' with 'short wavelength' and 'white light'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 11:07
S29	1	"5145743".PN.	USPAT; USOCR	OR	ON	2005/01/26 10:38
S30	261	@ad<="19960326" and 'Light emitting' and 'uv' and 'white light'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 12:40
S31	16	@ad<="19960326" and 'Light emitting' same 'short wavelength' and 'white light'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 11:07
S32	5	@ad<="19960326" and 'Light emitting' same 'uv' same 'white light'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 11:07
S33	25	@ad<="19960326" and 'Light emitting' same 'uv' and 'white light'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 11:24
S34	2	"0585451".PN.	USPAT; USOCR	OR	ON	2005/01/26 11:12
S35	2	"1816459".PN.	USPAT; USOCR	OR	ON	2005/01/26 11:12
S36	2	"2051288".PN.	USPAT; USOCR	OR	ON	2005/01/26 11:12
S37	1	"4961617".PN.	USPAT; USOCR	OR	ON	2005/01/26 11:13
S38	1	"4860475".PN.	USPAT; USOCR	OR	ON	2005/01/26 11:13
S39	1	"4843524".PN.	USPAT; USOCR	OR	ON	2005/01/26 11:13
S40	1	"5145743".PN.	USPAT; USOCR	OR	ON	2005/01/26 11:14
S41	2	("5385631").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/26 11:24
S42	7	@ad<="19960326" and 'fluorescent dye' and 'TPB'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 12:05

## EAST Search History

S43	32	@ad<="19960326" and 'fluorescent dye' and 'tetraphenylbutadiene'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 12:17
S44	20	@ad<="19960326" and 'fluorescent dye' and 'diimide'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 11:08
S45	6	@ad<="19960326" and 'fluorescent dye' and 'perylenetetracarboxylic acid diimide'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 12:30
S46	0	@ad<="19960326" and 'fluorescent dye' and 'naphthalenetetracarboxylic acid diimide'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 09:20
S47	0	@ad<="19960326" and 'fluorescent dye' and 'naphthalene tetracarboxylic acid diimide'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 09:21
S48	1	@ad<="19960326" and 'fluorescent dye' and 'naphthalene' with 'tetracarboxylic' with 'diimide'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 12:32
S49	1	"5660461".PN.	USPAT; USOCR	OR	ON	2005/01/26 12:36
S50	1	"5583349".PN.	USPAT; USOCR	OR	ON	2005/01/26 12:37
S51	10	@ad<="19960326" and 'Light emitting' with 'semiconductor apparatus'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 12:40
S52	0	'visible light' with 'white light'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 13:12
S54	58	'visible light' with 'white light' with 'red' with 'blue'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 13:15
S55	853	'short wavelength' with 'ultraviolet light'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 13:19

## EAST Search History

S56	13	'LED' with 'short wavelength' with 'ultraviolet light'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 13:43
S57	3	'short wavelength' with 'uv' with 'green' with 'yellow'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 13:47
S58	53	'short wavelength' with 'green' with 'yellow' with 'light'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 13:45
S59	89	'long wavelength' with 'white light'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 14:05
S60	0	'shogo' and 'tadashi abe'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 14:06
S61	0	'tadashi abe'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 14:06
S62	145	'shogo' and 'tadashi'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 14:10
S63	1	"5245623".PN.	USPAT; USOCR	OR	ON	2005/01/26 14:08
S64	1	"5208462".PN.	USPAT; USOCR	OR	ON	2005/01/26 14:08
S65	1	"5012809".PN.	USPAT; USOCR	OR	ON	2005/01/26 14:09
S66	42	'fujitsu' and 'tabuchi' and 'light emitting'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 14:14
S67	46	'sei-ichi'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 14:14

## EAST Search History

S68	82	'fujitsu' and 'light emitting semiconductor'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 14:24
S69	5	'light emitting semiconductor apparatus'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 14:23
S70	2	"3529200".PN.	USPAT; USOCR	OR	ON	2005/01/26 14:25
S71	1	"3593055".PN.	USPAT; USOCR	OR	ON	2005/01/26 14:26
S72	1	"5012809".PN.	USPAT; USOCR	OR	ON	2005/01/26 14:26
S73	1	"5208462".PN.	USPAT; USOCR	OR	ON	2005/01/26 14:26
S74	1	"5245623".PN.	USPAT; USOCR	OR	ON	2005/01/26 14:27
S75	4	'EP 647694'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 15:42
S76	2	("5869199").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/26 15:42
S77	2	@ad<="19960326" and 'blue' with 'LED' and 'luminophoric medium'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:01
S78	46	@ad<="19960326" and 'blue' with 'LED' and 'GaN' with 'SiC'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:02
S79	22	@ad<="19960326" and 'blue' with 'LED' same 'GaN' with 'SiC'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:02
S80	16	@ad<="19960326" and 'blue' with 'LED' with 'GaN' with 'SiC'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:05

## EAST Search History

S81	0	@ad<="19960326" and 'LED' same 'substrae' with 'GaN' with 'SiC' with 'GaAs'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:05
S82	0	@ad<="19960326" and 'LED' same 'substrate' with 'GaN' with 'SiC' with 'GaAs'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/26 16:05
S83	9	@ad<="19960326" and 'LED' same 'substrate' with 'GaN' with 'SiC'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 08:23
S84	109	@ad<="19960326" and 'substrate' with 'GaAs' with 'SiC'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 10:24
S85	33	@ad<="19960326" and 'naphthalene tetracarboxylic'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 09:20
S86	1	@ad<="19960326" and 'fluorescent dye' and 'naphthalene tetracarboxylic'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 09:21
S87	8	@ad<="19960326" and 'dye' and 'naphthalene tetracarboxylic'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 09:21
S88	6	'LED' with 'fluophor'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 09:33
S89	4	'LED' same 'fluophor' and 'phosphor'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 09:36
S90	36	'composition' with 'fluophor'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 09:36
S91	2	@ad<="19960326" and 'Pacific Polytech'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 10:32

## EAST Search History

S92	177	@ad<="19960326" and 'lumogen'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 10:36
S93	1	@ad<="19960326" and 'down converting' same 'lumogen'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/27 10:36
S94	2	("6600175").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/19 16:18
S95	2	"20040016938"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 16:26
S96	12	@ad<="19960326" and 'blue' with 'LED' same 'white light' same 'output'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 16:31
S97	1	@ad<="19960326" and 'blue' with 'LED' and 'down conversion' and 'white light' same 'output'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 16:32
S98	2	@ad<="19960326" and 'blue' with 'LED' and 'luminophoric'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:54
S99	1	@ad<="19960326" and 'blue' with 'LED' and 'down conversion' and 'white light'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 16:32
S100	2	@ad<="19960326" and 'LED' and 'down conversion' and 'white light'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 16:42
S101	1	@ad<="19960326" and ('uv' or 'blue') same 'LED' same ('phosphors' or 'fluorphore')	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 16:43

## EAST Search History

S10 2	11	@ad<="19960326" and ('uv' or 'blue') and 'LED' and ('phophor' or 'fluorophore')	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:31
S10 4	89	@ad<="19960326" and ('uv' or 'blue') same 'LED' and convert\$3 same 'white'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:25
S10 5	1	"5245623".PN.	USPAT; USOCR	OR	ON	2006/01/19 16:52
S10 7	21	@ad<="19950103" and ("uv" or blue) same "LED" same convert\$3 same (white or visible)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:24
S10 8	259	@ad<="19950103" and ("uv" or blue) same ("LED" or "light emitting") and convert\$3 same (white or visible)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:26
S10 9	54	@ad<="19960326" and ("LED" or laser or "light emitting") and (phophor or fluorophore or fluophor) and (white or visible)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:33
S11 0	45	@ad<="19950103" and ("LED" or laser or "light emitting") and (phophor or fluorophore or fluophor) and (white.or visible)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:49
S11 1	1	"5245623".PN.	USPAT; USOCR	OR	ON	2006/03/20 10:35
S11 2	1	"5208462".PN.	USPAT; USOCR	OR	ON	2006/03/20 10:35
S11 3	1	"5012809".PN.	USPAT; USOCR	OR	ON	2006/03/20 10:37
S11 4	1	"3593055".PN.	USPAT; USOCR	OR	ON	2006/03/20 10:37
S11 5	2	"3529200".PN.	USPAT; USOCR	OR	ON	2006/03/20 10:39
S11 6	1	"3593055".PN.	USPAT; USOCR	OR	ON	2006/03/20 10:39
S11 7	2	"3529200".PN.	USPAT; USOCR	OR	ON	2006/03/20 10:40
S11 8	227	@ad<="19950103" and "Abe Tadashi"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:43

## EAST Search History

S11 9	1	@ad<="19950103" and "Abe Tadashi" and (phophor or fluorophore or fluophor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:43
S12 0	22	@ad<="19950103" and ("LED" or laser or "light emitting") and down adj1 convert\$3 and (white or visible) with light	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 10:59
S12 3	1	"5115335".PN.	USPAT; USOCR	OR	ON	2006/03/20 11:41
S12 4	1	"5091757".PN.	USPAT; USOCR	OR	ON	2006/03/20 11:41
S12 5	1	"5073806".PN.	USPAT; USOCR	OR	ON	2006/03/20 11:41
S12 6	1	"5045895".PN.	USPAT; USOCR	OR	ON	2006/03/20 11:41
S12 8	976	@ad<="19950103" and ("LED" or laser or "light emitting device") same convert\$3 same (white or visible) with light	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:44
S12 9	2	("5208462").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/20 12:21
S13 0	14	@ad<="19950103" and "light emitting device" same convert\$3 same (white or visible) with light	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:16
S13 1	1	@ad<="19950103" and "Tzuzuki Shogo" and "LED"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 12:33
S13 2	1	@ad<="19950103" and "Tzuzuki Shogo"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 12:34
S13 3	207	@ad<="19950103" and ("LED" or "light emitting device") same convert\$3 same (white or visible) with light	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 12:44
S13 4	0	@ad<="19950103" and "Herbert Paul Maruska"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 12:44

## EAST Search History

S13 5	0	@ad<="19950103" and "Herbert Maruska"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 12:44
S13 6	83	@ad<="19950103" and "Maruska"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:04
S13 7	1	"4739383".PN.	USPAT; USOCR	OR	ON	2006/03/20 12:59
S13 9	0	@ad<="19950103" and "james O'connor"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:05
S14 0	657	@ad<="19950103" and "O'connor" and "LED"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:14
S14 1	11	@ad<="19950103" and "O'connor" and "LED" and phosphor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:06
S14 2	1	"4857228".PN.	USPAT; USOCR	OR	ON	2006/03/20 13:07
S14 3	1	"4679157".PN.	USPAT; USOCR	OR	ON	2006/03/20 13:07
S14 4	1	"3774086".PN.	USPAT; USOCR	OR	ON	2006/03/20 13:08
S14 5	1	"3593055".PN.	USPAT; USOCR	OR	ON	2006/03/20 13:12
S14 6	2	"3529200".PN.	USPAT; USOCR	OR	ON	2006/03/20 13:12
S14 7	4	@ad<="19950103" and "O'connor" near1 james and "LED"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:14
S14 8	12	@ad<="19950103" and "O'connor" near2 james and "LED"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:14
S14 9	0	@ad<="19950103" and light with emitting and "yoh mita"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:17

## EAST Search History

S15 0	0	@ad<="19950103" and "yoh mita"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:17
S15 1	366	@ad<="19950103" and light with emitting and "mita"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:17
S15 2	17	@ad<="19950103" and light with emitting and "mita" and "nippon"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:18
S15 3	0	@ad<="19950103" and ("LED" or laser or "light emitting device") same "down-convering"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:44
S15 4	52	@ad<="19950103" and ("LED" or laser or "light emitting device") same luminescent same coating	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:45
S15 5	68	@ad<="19950103" and ("LED" or laser or "light emitting device") same luminescent same coat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:45
S15 6	3	@ad<="19960326" and ("LED" or "light emitting device" or "light emitting diode") same "luminophoric"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:55
S15 7	0	@ad<="19950103" and ("LED" or "light emitting device" or "light emitting diode") and "IR" same convet\$3 same red same green same blue	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:58
S15 8	620	@ad<="19950103" and ("LED" or "light emitting device" or "light emitting diode") and convert\$3 same red same green same blue	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 13:58
S15 9	3	@ad<="19950103" and ("LED" or "light emitting device" or "light emitting diode") and "IR" same convert\$3 same red same green same blue	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 14:18
S16 0	0	@ad<="19950103" and "white light spectrum" and "IR spectrum"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 14:18

## EAST Search History

S16 1	26	@ad<="19950103" and "white light" same "IR" same wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 14:22
S16 2	213	"white light" same "IR" same wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 14:20
S16 3	6	@ad<="19950103" and "white light" same "IR" same "UV" same wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 14:23
S16 4	76	@ad<="19950103" and "white light" same "UV" same wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 14:50
S16 5	57	@ad<="19950103" and "white light" same "Violet" same wavelength	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 14:58
S16 6	3	@ad<="19950103" and short adj1 wavelength with ultraviolet same "white light"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 14:59
S16 7	60	@ad<="19950103" and short adj1 wavelength with ultraviolet and "white light"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 16:02
S16 8	68	@ad<="19950103" and short adj1 wavelength with (ultraviolet or violet) and "white light"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 15:06
S16 9	519	@ad<="19950103" and ultraviolet with diode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 16:10
S17 0	13	@ad<="19950103" and ultraviolet with diode same phosphor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 16:03
S17 1	3	@ad<="19950103" and ultraviolet with diode same "white light"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/20 16:11

## EAST Search History

S17 2	5	@ad<="19950103" and ultraviolet with (diode or "LED") same "white light"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 08:12
S17 3	4	(("5517278") or ("6067062")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/21 08:04
S17 7	1081	@ad<="19950103" and (diode or "LED" or "light emitting device") with (ultraviolet or "short wavelength")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 08:15
S17 8	404	@ad<="19950103" and ("LED" or "light emitting device") with (ultraviolet or "short wavelength")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 08:19
S17 9	2	@ad<="19950103" and ("LED" or "light emitting device") with (ultraviolet or "short wavelength") same "white light"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 08:17
S18 0	39	@ad<="19950103" and ("LED" or laser or diode or "light emitting device") with (ultraviolet or "short wavelength") same "white light"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 08:34
S18 1	7	@ad<="19950103" and ("LED" or "light emitting device") with (ultraviolet or "short wavelength") same phos\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 08:19
S18 2	410	@ad<="19950103" and (diode or "LED" or laser or "light emitting device") same (ultraviolet or "short wavelength") same phos\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 08:35
S18 3	10	(("4,258,264") or ("4,276,473") or ("4,315,318") or ("4,387,428")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/21 08:30
S18 4	244	@ad<="19950103" and ("LED" or laser or diode or "light emitting device") with (ultraviolet or "short wavelength") and "white light"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 08:35

## EAST Search History

S18 5	508	@ad<="19950103" and (diode or "LED" or laser or "light emitting device") same (ultraviolet.or "short wavelength") and phosphor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 10:48
S18 6	317	stevenson and "light emitting diode"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 09:01
S18 7	82	@ad<="19950103" and stevenson and "light emitting diode"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/20 08:04
S18 8	3	@ad<="19950103" and stevenson and "light emitting diode" and "phosphor"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/20 08:48
S18 9	2	"3462630".PN.	USPAT; USOCR	OR	ON	2006/03/21 09:04
S19 0	2	"3404305".PN.	USPAT; USOCR	OR	ON	2006/03/21 09:04
S19 1	17	@ad<="19950103" and stevenson and "phosphor"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/20 08:48
S19 2	0	@ad<="19950103" and "phosphor" same "convert" same "violet" same "white light"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 09:08
S19 3	23	@ad<="19950103" and "phosphor" same "convert" same "violet" same (visible or "white light")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 09:11
S19 4	13	@ad<="19950103" and "phosphor" same "violet" same "white light"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/20 07:23
S19 5	2	("5808410").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/21 09:21

## EAST Search History

S19 6	2	("5,438,343,").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/21 09:22
S19 7	60	@ad<="19950103" and 'substrate' with "sapphire" with "SiC"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 10:25
S19 8	12	@ad<="19950103" and 'substrate' with "sapphire" with "SiC" with "GaAs"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 10:25
S19 9	301	@ad<="19950103" and ("LED" or "light emitting device") with ultraviolet	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 10:48
S20 0	16	@ad<="19950103" and "fluorescent dye" and "diimide"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 13:39
S20 1	0	@ad<="19950103" and "naphthalene" same "tetracarboxylic" same "diimide" same "fluorescent dye" and "perylene tetracarboxylic"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 11:22
S20 2	1	@ad<="19950103" and "naphthalene" same "tetracarboxylic" and "perylene tetracarboxylic"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 13:07
S20 3	47	@ad<="19950103" and "naphthalene" same "tetracarboxylic"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 11:25
S20 4	519	@ad<="19950103" and "perylene tetracarboxylic"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 11:23
S20 5	185	@ad<="19950103" and "perylene tetracarboxylic" and dye	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 11:23

## EAST Search History

S20 6	13	@ad<="19950103" and "perylene tetra carboxylic" and "fluorescent dye"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 11:24
S20 7	0	@ad<="19950103" and "naphthalene" same "tetracarboxylic" and "fluorescent dye"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 11:26
S20 8	0	@ad<="19950103" and "naphthalene" same "tetracarboxylic" and "fluorescent dye"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 11:26
S20 9	44	@ad<="19950103" and "tetracarboxylic" and "fluorescent dye"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 13:09
S21 0	2	("5405962").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/21 13:02
S21 1	3	@ad<="19950103" and "TPB" and "fluorescent dye"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 13:07
S21 2	355	@ad<="19950103" and "tetracarboxylic" with "diimide"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 13:10
S21 3	67	@ad<="19950103" and "tetracarboxylic diimide"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 13:11
S21 4	32	@ad<="19950103" and "PERYLENE" with "tetracarboxylic diimide"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 13:12
S21 5	16	@ad<="19950103" and "fluorescent dye" and "diimide"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/20 09:25

## EAST Search History

S21 6	18	("3593055"   "3763405"   "3932881"   "4992704"   "5126214"   "5208462"   "5405709"   "5583349"   "5660461").PN. OR ("6600175"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/15 08:13
S21 7	2	("5557168").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/15 08:17
S21 8	18	("3497751"   "3716742"   "3766420"   "3886390"   "4039889"   "4393326"   "4554482"   "4692662"   "4814758"   "4827186"   "5032768"   "5164633"   "5371437").PN. OR ("5557168"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/15 08:17
S21 9	2579	Blue with spectrum with "nm"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/20 06:57
S22 0	382	Blue same violet same ultraviolet same "nm"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/20 07:00
S22 1	87	Blue same violet same ultraviolet same white same "nm"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/20 07:02
S22 2	41	Blue same violet same ultraviolet same white same green same "nm"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/20 07:03
S22 3	13	@ad<="19950103" and "phosphor" same "violet" same "white light"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/20 07:23
S22 4	15	@ad<="19950103" and "phosphor" same "violet" same ("white light" or "RGB")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/20 07:25
S22 5	11	@ad<="19950103" and "violet" with "phosphor" same ("white light" or "RGB")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/20 07:26

## EAST Search History

S22 6	6	@ad<="19950103" and stevenson and "light emitting diode" and "violet"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/20 08:04
S22 7	2	@ad<="19950103" and stevenson and "light emitting diode" and "GaN"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/20 08:07
S22 8	347	@ad<="19950103" and ("Stevenson" or "Rhines" or "maruska") and ("LED" or "light emitting diode")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/20 08:09
S22 9	41	@ad<="19950103" and ("Stevenson" or "Rhines" or "maruska") and ("LED" or "light emitting diode") and ("UV" or ultraviolet or "ultra-violet")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/20 08:22
S23 0	55	("3819974"   "4855249"   "4911102"   "4918497"   "5076860"   "5182670"   "5239188"   "5290393"   "5347157"   "5387459"   "5389571"   "5393993"   "5404369"   "5432808"   "5523589"   "5530267"   "5592501").PN. OR ("5770887").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 08:10
S23 1	48	("3404305"   "3462630").PN. OR ("3819974").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/20 08:10
S23 2	1	"4972089".PN.	USPAT; USOCR	OR	ON	2007/01/20 08:19
S23 3	4	("3,683,240").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 08:22
S23 4	3	@ad<="19950103" and stevenson and "light emitting diode" and ("phosphor" or phosphour)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/20 08:48
S23 5	17	@ad<="19950103" and stevenson and ("phosphor" or phoshour)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/20 08:48
S23 6	44	@ad<="19950103" and "LCD" same "LED" same "power supply" same "control"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/20 09:40

## EAST Search History

S23 7	44	@ad<="19950103" and "LCD" and "LED" same "power supply" same "controller"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/22 11:09
S23 8	2	("5770887").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/22 10:12
S23 9	54	@ad<="19950103" and "LCD" same "LED" same "backlight"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/22 11:09